

THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF AGRICULTURE  
DIVISION OF LIVESTOCK DISEASE CONTROL

REPORT

(for thirteen months)

DECEMBER 1, 1942 - DECEMBER 31, 1943

OFFICE

DEPARTMENT OF THE ARMY  
WASHINGTON, D. C.



REPORT OF THE DIVISION OF LIVESTOCK DISEASE CONTROL  
FOR THIRTEEN MONTHS

DECEMBER 1, 1942 - DECEMBER 31, 1943

I herewith submit my third annual report as Director of the Division of Livestock Disease Control.

The most important single development in the Division was the establishment by the Legislature in Chapter 447, Acts of 1943, of the position of Assistant Director. The Act requires that the person filling this position be a veterinarian. Dr. Winfield Scott Stone, a graduate of Cornell University, was appointed temporarily on August 4, 1943 and his appointment confirmed by the Governor and Council (on a permanent basis) on September 8, 1943. He quickly filled a need long felt in the Division for better supervision of veterinarians in the field and closer co-operation with County Agents and State Farm Superintendents. His training, background, and experience promised well for increased aid to livestock owners of the Commonwealth in meeting disease problems.

I should like to mention here, however, that to build up the Division of Livestock Disease Control to a position of leadership and influence in its field, it will be necessary at the earliest opportunity to increase the salaries paid to veterinarians in order to attract and hold men of first class training and ability.

The Legislature, in Chapter 56, Acts of 1943, removed the requirement of a fifty cent charge for calfhood vaccination in prevention of Bang's disease. This Act was in accordance with the recommendation in last year's annual report and made possible the vaccination of calves at the time of the tuberculin test. The Federal government has co-operated in this work throughout the Commonwealth. The enthusiasm with which this program is being received indicates that a real need is being filled.

It was not found necessary to exempt per diem veterinarians from Civil Service requirements as recommended in the annual report of last year. Examinations were held in order to place many recent graduates practicing in the Commonwealth on our list for per diem work in their neighborhood.

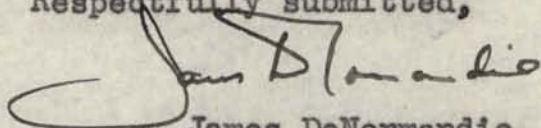
It has not been possible to work out a solution of the laboratory problem as recommended in last year's report due to manpower shortages caused by the present war. The need, however, is greater than ever and will increase as well-trained and capable men join the Division in the future. The problems presented by swine and cattle diseases make laboratory facilities absolutely essential in the immediate future.



I want to thank the staff of the Division for its co-operation at all times.

Following are tables showing in detail the activities of the Division for the thirteen months from December 1, 1942 through December 31, 1943.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "James DeNormandie", written over a horizontal line.

James DeNormandie,  
Director



## BOVINE TUBERCULOSIS

There were 16,508 herd tests compared with 16,036 herd tests in 1942; 224,105 animal tests compared with 219,078 in 1942; 488 reactors as compared with 566 in 1942, or 21/100 of 1% reactors as compared with 25/100 of 1% in 1942.

Of the 488 reactors 134 or 27.4% were reported at time of slaughter as showing "no visible lesions" of tuberculosis as compared with 192 reactors or 37.9% in 1942.

Four generalized cases were found on four premises in four different counties.

Following is a summary of tuberculin testing by veterinarians for the period from December 1, 1942 through December 31, 1943:

	<u>Herds</u>	<u>Head</u>	<u>Reactors</u>
Veterinarians paid by the State on a salary basis	4,944	61,515	64
Veterinarians paid by the State on a per diem basis	7,939	107,692	278
Veterinarians paid by the owners	34	1,148	7
Veterinarians paid by the Federal Government	3,591	53,750	139
	<u>16,508</u>	<u>224,105</u>	<u>488</u>



TUBERCULIN TESTING BY COUNTIES

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Herds	Pb	Gd	Total	Herds	Pb	Gd	Total	Pb	Gd	R	Herds	Pb	Gd	Total	Herds	Pb	Gd	Total	Pb	Gd	R	Herds	Pb	Gd	Total	Total		
Barnstable	5		16	16								72	118	870	988								77	118	886	1004			
Berkshire	119	25	676	701								1432	4049	22941	26890	13	54	386	440	8	81	89	1564	4128	23783	28031	89		
Bristol	114	13	381	394								1727	2677	21867	24544	40	13	1092	1105	4	75	79	1881	2703	23340	26043	79		
Dukes												4		25	25	1		1	1		1	1	5		26	26	1		
Essex	30	29	104	133								720	1920	8252	10172	9	6	301	307		23	23	759	1955	8657	10612	23		
Franklin	68	2	243	245								1608	1657	21440	23097								1676	1659	21683	23342			
Hampden	94	34	279	313								1195	1343	11840	13183	2		22	22		6	6	1291	1377	12141	13518	6		
Hampshire	73	18	307	325								1754	1976	18367	20345	10	82	199	280	28	22	60	1837	2076	18874	20950	60		
Middlesex	103	35	341	376								1790	2391	21678	24069	12	3	523	526		17	17	1905	2429	22542	24971	17		
Nantucket	9		20	20								28		347	347								37		367	367			
Norfolk	68	22	301	323	1		3	3		1	1	728	1613	7733	9246	22	6	1083	1089		60	60	819	1641	9120	10761	61		
Plymouth	64	81	188	269	1		5	5		1	1	868	1284	9569	10853	12	3	521	524		44	44	945	1368	10283	11651	45		
Suffolk												6	54	20	74								6	54	20	74			
Worcester	183	101	810	911								3453	4900	44378	49278	70	516	2080	2566	17	90	107	3706	5516	47139	52755	107		
Totals	730	360	3666	4026			8	8			2	15385	23982	189229	213211	191	683	6177	6860	57	429	486	16508	25024	199081	224105	488		



# TUBERCULIN TESTING BY MONTHS

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Herds	PB	GD	Total	Herds	PB	GD	Total	Tested	PB	GD	Total	Herds	PB	GD	Total	Herds	PB	GD	Tested	PB	GD	Total	Herds	PB	GD	Tested	Total	
December	35	5	226	231									1146	2677	17105	19782	13	215	349	564	7	21	28	1194	2897	17680	20577	28	
January	73	13	403	416									1516	2777	19167	21944	17	42	372	414	7	21	28	1606	2832	19942	22774	28	
February	43	10	158	168									1148	2190	14354	16544	17	3	594	597	3	16	19	1208	2203	15106	17309	19	
March	85	37	297	334									1917	2553	23466	26019	20	32	523	555	5	49	54	2022	2622	24286	26908	54	
April	76	24	332	356									1775	3421	24831	27452	16	8	539	547	1	27	28	1867	3453	24902	28355	28	
May	86	17	399	416									1490	2352	18539	20921	14	89	416	505	6	43	49	1590	2488	19354	21842	49	
June	73	11	213	224									1069	1080	9082	10162	9	26	419	445	17	22	39	1151	1117	9714	10831	39	
July	56	17	220	237									517	523	4946	5469	3	1	108	109		4	4	576	541	5274	5815	4	
August	54	61	224	285									629	296	4100	4396	6	7	163	170	4	26	30	689	364	4487	4851	30	
September	71	14	207	221									708	597	7934	8511	11	73	499	572		37	37	790	664	8640	9304	37	
October	91	12	342	354	2		8	8			2	2	925	746	9540	10286	19	34	729	763	1	34	35	1937	792	10619	11411	37	
November	103	108	266	374									1359	2212	20118	22300	29	148	942	1090	1	58	59	1491	2467	21327	23794	59	
December	84	31	379	410									1186	2548	16847	19395	17	5	524	529	5	71	76	1289	2584	17750	20334	76	
Totals	930	360	3666	4026	2		8	8			2	2	15385	23992	189229	213211	191	693	6177	6860	57	429	486	16508	25024	199081	224105	488	



## COUNTY CENSUS AND INFECTION

(June 30, 1943)

County	Herds	Head	Infection		
			Herds	Head	Reactors
Barnstable	397	1,404	-	-	-
Berkshire	1,855	24,498	2	32	10
Bristol	2,175	22,412	5	75	25
Dukes	113	524	-	-	-
Essex	1,313	13,613	2	38	5
Franklin	1,791	20,060	-	-	-
Hampden	1,604	13,146	-	-	-
Hampshire	1,746	19,402	2	46	5
Middlesex	2,189	22,242	2	133	4
Nantucket	27	336	-	-	-
Norfolk	909	9,356	1	39	2
Plymouth	1,279	10,864	-	-	-
Suffolk	16	137	-	-	-
Worcester	4,175	47,341	3	88	4
Total	19,589	205,335	17	451	55



APPRAISALS

1943	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
December	7	\$1,400.00	\$200.00	21	\$3,600.00	\$171.43	28	\$5,000.00	\$178.57
January	6	1,620.00	270.00	22	4,202.00	191.00	28	5,822.00	207.93
February	3	675.00	225.00	16	2,915.00	182.19	19	3,590.00	188.95
March	5	1,500.00	300.00	49	8,452.50	172.50	54	9,952.50	184.31
April	1	240.00	240.00	27	5,652.50	209.35	28	5,892.50	210.44
May	7	2,255.00	322.14	42	6,765.00	161.07	49	9,020.00	184.08
June	17	3,840.00	225.88	22	4,235.00	192.50	39	8,075.00	207.05
July				4	780.00	195.00	4	780.00	195.00
August	4	875.00	218.75	26	4,810.00	185.00	30	5,685.00	189.50
September				37	7,905.00	213.64	37	7,905.00	213.64
October	1	300.00	300.00	36	7,915.00	219.86	37	8,215.00	222.02
November	1	225.00	225.00	58	11,030.00	190.17	59	11,255.00	190.76
December	5	1,500.00	300.00	71	12,050.00	169.72	76	13,550.00	178.29
Total	57	\$14,430.00	\$253.16	431	\$80,312.00	\$186.34	488	\$94,742.00	\$194.14

SALVAGE

	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
December	7	\$537.28	\$76.75	21	\$1,924.66	\$91.65	28	\$2,461.94	\$87.93
January	6	548.20	91.36	22	1,855.42	84.34	28	2,403.62	85.84
February	3	301.04	100.34	16	1,288.57	80.54	19	1,589.61	83.66
March	5	553.00	110.60	49	4,070.81	83.07	54	4,623.81	85.62
April	1	95.15	95.15	27	2,394.20	88.67	28	2,489.35	88.90
May	7	649.27	92.75	42	2,657.75	63.28	49	3,307.02	67.48
June	17	1,565.00	92.06	22	1,698.49	77.20	39	3,263.49	83.67
July				4	340.37	85.09	4	340.37	85.09
August	4	355.00	88.75	26	2,025.57	77.91	30	2,380.57	79.35
September				37	2,834.04	76.59	37	2,834.04	76.59
October	1	69.85	69.85	36	2,429.12	67.47	37	2,498.97	67.54
November	1	78.25	78.25	58	3,492.96	60.22	59	3,571.21	60.53
December	5	226.50	45.30	71	3,717.62	52.36	76	3,944.12	51.89
Total	57	\$4,978.54	\$87.34	431	\$30,729.58	\$71.30	488	\$35,708.12	\$73.17

INDEMNITY

	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
December	7	\$410.95	\$58.70	21	\$815.98	\$38.85	28	\$1,226.93	\$43.82
January	6	420.55	70.09	22	933.95	42.45	28	1,354.50	48.38
February	3	186.99	62.33	16	674.85	42.18	19	861.84	45.36
March	5	375.00	75.00	49	1,885.84	38.48	54	2,260.84	41.86
April	1	72.43	72.43	27	1,141.35	42.27	28	1,213.78	43.34
May	7	525.00	75.00	42	1,479.86	35.23	49	2,004.86	40.91
June	17	1,025.00	60.29	22	990.68	45.03	39	2,015.68	51.68
July				4	182.50	45.62	4	182.50	45.62
August	4	245.00	61.25	26	1,179.00	45.34	30	1,424.00	47.46
September				37	1,773.94	47.94	37	1,773.94	47.94
October	1	75.00	75.00	36	1,669.94	46.38	37	1,744.94	47.16
November	1	73.38	73.38	58	2,479.16	42.74	59	2,552.54	43.26
December	5	375.00	75.00	71	2,969.60	41.82	76	3,344.60	44.00
Total	57	\$3,784.30	\$66.39	431	\$18,176.65	\$42.17	488	\$21,960.95	\$45.00



# TUBERCULIN TESTING OF GOATS

There were eighty-seven (87) goats tuberculin tested under supervision of this Division.



## INTERSTATE RECEIPTS OF CATTLE

December 1, 1942 - December 31, 1943

Three thousand seven hundred and twenty (3,720) permits were issued covering twenty-seven thousand fifty-two (27,052) head of dairy and breeding cattle (other than those received at Brighton) and eight thousand two hundred and four (8,204) head for immediate slaughter.

Dairy and Breeding cattle imported originated as follows:

December 1, 1942 - December 31, 1943

	On Permit	At Brighton		On Permit	At Brighton
California	1		Missouri	346	
Canada	7,475	320	New Hampshire	1,927	865
Connecticut	1,342		New Jersey	17	
Delaware	1		New York	2,268	
Illinois	218		Ohio	858	
Indiana	88		Oklahoma	40	
Kentucky	1		Pennsylvania	70	
Maine	527	3,063	Rhode Island	307	15
Maryland	4		South Carolina	1	
Michigan	19	34	Texas	138	
Minnesota	623		Vermont	8,714	677
Mississippi	24		Washington	2	
			Wisconsin	2,041	
				<u>27,052</u>	<u>4,974</u>

Beef cattle imported on permit originated as follows:

Connecticut	227	New York	265
Illinois	5,321	Ohio	51
Indiana	447	Rhode Island	1,076
New Hampshire	516	Vermont	<u>301</u>
			8,204



## QUARANTINE STATION AT BRIGHTON

	<u>Total</u>	<u>Released</u>	<u>Released</u>	<u>Killed*</u>	<u>Returned</u>
	<u>Receipts</u>	<u>on Papers</u>	<u>after Test</u>		
Canada	320	320			
Maine	3,066	2,929	134	2	1
Michigan	34	34			
New Hampshire	868	832	33	3	
Rhode Island	15	15			
Vermont	678	644	33	1	
Total	4,981	4,774	200	6	1**
Massachusetts	951	943	4		4
	5,932	5,717	204	6	5

\* 1 Maine; 3 New Hampshire; 1 Vermont - positive to check blood test; 1 Maine - Actinomycosis.

\*\* 1 positive to blood test - returned to Maine for slaughter.

Of the four thousand nine hundred seventy-four (4,974) interstate cattle received and released one thousand two hundred seventy-seven (1,277) were exported to Rhode Island; three (3) to Connecticut; one (1) to New Hampshire. The nine hundred fifty-one (951) Massachusetts cattle remained in Massachusetts.

## Diseased cattle at Brighton for slaughter:

	<u>T. B.</u>	<u>T. B.</u>	<u>Bang's</u>	<u>Reactors</u>	<u>Actinomycosis</u>
	<u>Reactors</u>	<u>Suspects</u>			
Maine			244		1
New Hampshire	15	1	924		
Rhode Island	5		14		
Vermont		2			
Massachusetts	311	146	5 (Brighton)		
Total	331	149	1,187		1

All trucks (two hundred and twenty (220)) carrying T. B. reactors to the Brighton yards were cleaned and disinfected, and the sales barn cleaned and disinfected regularly.

Two hundred seventy-seven (277) head of cattle were inoculated for "shipping fever" or Hemorrhagic Septicemia at the request of owners, for which a nominal fee was collected to cover the cost of the biologic used.



## EXPORTS

Interstate certificates of health were issued on five thousand two hundred fifty-four (5,254) head of cattle exported to other States as follows:

<u>Destination</u>	<u>Head</u>	<u>Destination</u>	<u>Head</u>
Alabama	1	New Jersey	24
Arkansas	1	New York	208
Canada	16	North Carolina	8
Connecticut	1,221*	Ohio	25
Georgia	6	Oklahoma	1
Illinois	5	Pennsylvania	28
Indiana	25	Rhode Island	2,531*
Iowa	10	South Carolina	31
Kansas	5	South Dakota	1
Louisiana	4	Tennessee	6
Maine	112	Texas	3
Michigan	10	Vermont	229
Minnesota	4	Virginia	10
Mississippi	13	Washington	4
Missouri	2	West Virginia	6
Montana	1	Wisconsin	20
New Hampshire	683*		
			<hr/> 5,254

\* Of the above the following were shipped direct from the Quarantine Station at Brighton:

Connecticut 3; New Hampshire 1; Rhode Island 1,277.



## BRUCELLOSIS

December 1, 1942 - December 31, 1943

An analysis of the blood samples submitted to the laboratory is as follows:

	Negative	Positive	Doubtful	Unsatisfactory*	Total
Cattle	27,924	2,531	2,724	670	33,849
Goats	184		7	13	204
Swine			1	1	2
Horses			1		1
	28,108	2,531	2,733	684	34,056

Of the above total the following is an analysis of the bloods sent to the laboratory under the Co-operative Program:

	Negative	Positive	Doubtful	Unsatisfactory*	Total
Cattle	4,327	682	978	33	6,020

\* hemolyzed, insufficient, containers broken.

Accredited Herds:

Regular accredited herds	61
Vaccinated accredited herds	28
Cattle in regular accredited herds	2,928
Cattle in vaccinated accredited herds	1,495
Herds enrolled in co-operative program	251
Calves vaccinated under co-operative program	1,296

## CHECK BLOOD TESTS MADE AT BRIGHTON

Examination of blood samples drawn from cattle at the sales barn at Brighton gave the following results:

	Blood Samples	Negative	Positive
Maine	125	123	2
New Hampshire	33	30	3
Vermont	32	31	1
	190	184	6

One reactor (Maine) returned for slaughter on permit; other five reactors disposed of by slaughter.



## CALFHOOD VACCINATION

There were one hundred eighty-eight (188) calves vaccinated as follows:

County	Towns	Number of		
		Visits	Owners	Calves
Essex	3	4	4	13
Franklin	1	3	2	9
Hampden	5	14	7	53
Hampshire	4	13	10	32
Middlesex	4	12	7	61
Worcester	4	5	4	20
	21	51	34	188

Of the total (188) one hundred seventeen (117) calves were vaccinated under the provisions of Chapter 314, Acts of 1938 and for which a fee of fifty cents per head was collected; and seventy-one (71) were vaccinated without charge to the owner under the provisions of Chapter 56, Acts of 1943.

Vaccination at time of the tuberculin test under the State and Federal Co-operative Plan for the months of November and December was conducted as follows:

County	Herds	Head
Berkshire	71	490
Bristol	68	175
Essex	30	145
Franklin	129	533
Hampden	88	261
Hampshire	60	241
Middlesex	71	253
Norfolk	18	81
Plymouth	5	12
Worcester	62	248
	602	2,439

## LICENSED DEALERS IN BOVINE ANIMALS

Under the provisions of Chapter 607, Acts of 1941, there were four hundred sixty-four (464) licenses issued to dealers for the sale of dairy and beef cattle and six hundred thirty-two (632) identification plates were issued for use on the trucks operated by these dealers.

In weekly reports to the Division dealers reported the sale of 29,108 head of dairy cattle and 3,639 head of beef cattle.



## RABIES

The heads of one hundred ninety-eight (198) animals were received at the laboratory for examination. Of this number six (6) dogs, and one (1) cat were reported positive to rabies, one hundred fifty (150) dogs, thirty-five (35) cats, one (1) monkey, and one (1) squirrel were negative to rabies, and four (4) dogs were questionable.

Three (3) persons were reported as bitten by a rabid animal.

Nine thousand nine hundred ninety-four (9,994) persons were reported as bitten or scratched by animals.

Clinics arranged for and conducted under the auspices of local boards of health were held in twenty-nine communities at which a total of eleven thousand two hundred and five (11,205) dogs were reported vaccinated in prevention of rabies.



## RABIES

	SHOWING SYMPTOMS			CONTACTS				BITE CASES				TOTAL
	Positive	Negative	Question-able	Released	Killed or Died - No Symptoms	Killed - Positive	Pending	Released	Killed - No Examination	Killed - Negative	Pending	
From 1942				19				183				202
December	1	1	1	1				342		10		356
January	1			1				412	1	15		430
February								416		12		428
March		1						512	1	16		530
April								778		15		793
May								1056	1	15		1072
June	1		1					1058		25		1085
July								1047	1	17		1065
August			2					947		9		958
September	1							607		8		616
October	1				3	3		444	1	10		462
November								465		13		478
December								182		14		196
Forward											135	135
	5	2	4	21	3	3		8449	5	179	135	8806

Animals Involved

Cats	2							31		10		43
Cattle					2	1						3
Dogs	2	2	4	21	1	2		8418	5	167	135	8757
Fox	1											1
Monkey										1		1
Squirrell										1		1
	5	2	4	21	3	3		8449	5	179	135	8806



# MISCELLANEOUS DISEASES

Actinomycosis: (Lump Jaw) Eight (8) cases in cattle were reported on five (5) premises in three (3) counties, namely, Berkshire, Franklin and Norfolk.

Anthrax: The death of eight (8) sheep on one farm in New Marlboro was reported. Preventive vaccination was given to remaining animals. (70 sheep, 6 cows and 2 horses)

Avian Tuberculosis: Reported in pheasants on one (1) premises in Marshfield.

Blackleg: Three deaths in a pasture in Stow were investigated. All young cattle on premises bordering on a brook which flows through this Stow pasture were given preventive blackleg treatment. Preventive treatment was also given to young cattle in so-called blackleg areas as follows: Berkshire, seventy-five (75) premises, eleven hundred forty-two (1142) head; Franklin, twelve (12) premises, one hundred seven head (107); Hampden, thirteen (13) premises, one hundred thirty-three (133) head; Hampshire, fifty-eight (58) premises, five hundred thirty-two (532) head; Middlesex, eleven (11) premises, thirty-five (35) head; Worcester, thirty-four (34) premises, two hundred twenty-three (223) head, or a total of two hundred four (204) premises, two thousand one hundred seventy-two (2,172) head. This service is given upon request and without expense to the owners.

Equine Encephalomyelitis: Four cases reported, one each in Hampden, Middlesex, Norfolk and Worcester counties. Diagnosis questionable. (2 recovered, 2 died)

Glanders: Laboratory tests of blood samples from eleven (11) horses from six (6) premises in five (5) counties were reported negative.

Hemorrhagic Septicemia: Reported on premises in three (3) towns in Hampshire County. Preventive vaccination applied in two (2) herds. (13 head and 14 head)

Mange: Reported on one farm in Middlesex County, thirty-seven (37) head of cattle, twenty-nine (29) affected. (3 were slaughtered, and the others recovered under treatment)

Mastitis: Reported rather generally throughout the State. Herd inspections were conducted and the owners advised as to herd management; milk samples were taken for laboratory examination.

Swine Diseases: Dietary trouble, erysipelas, enteritis, hemorrhagic septicemia, hog cholera, mange, parasitic infections, tetanus, etc. reported.

Vaginitis: Reported in two (2) herds of cattle.



## ANNUAL INSPECTION OF NEAT CATTLE, SHEEP AND SWINE

Owing to war conditions and the continued shortages of gasoline and rubber it was considered advisable not to require the customary inspection of neat cattle, sheep and swine and of the premises where kept. It was, however, considered important, on account of a threatened milk shortage, to have an estimate of the number of milking cows and the number of cattle under milking age in the respective cities and towns.

The reports received would indicate that there were 145,653 milking cows and 44,892 cows under milking age on 18,493 premises.

The annual meetings of Inspectors of Animals were not held this year.



## FINANCIAL STATEMENT

(December 1, 1942 - June 30, 1943)

<u>Appropriation Classification</u>	<u>Appropriation</u>	<u>Expenditure</u>
Director's Salary.....	\$2,333.33	\$2,333.33
Personal Services.....\$14,041.39		
Supplementary Appropriation (Chapter 513, Acts of 1943) <u>300.00</u>	14,341.39	13,973.45
Expenses (Office)..... 4,336.07		
Supplementary Appropriation Chapter 513, Acts of 1943) <u>180.00</u>	4,516.07	4,231.54
Personal Services:		
Veterinarians & Agents.....	31,621.78	27,888.66
Traveling Expenses:		
Veterinarians & Agents.....	4,679.06	4,117.77
Extermination.....	852.26	568.60
Reimbursement for Certain Cattle Killed.....	17,491.89	9,634.48
Reimbursement to Towns for Inspectors of Animals.....	<u>4,393.92</u> \$80,229.70	<u>3,273.90</u> \$66,021.73
Unexpended Balance.....	<u>\$80,229.70</u>	<u>14,207.97</u> \$80,229.70



